

EAST Search History

EAST Search History (Prior Art)

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|-----------------|------------------|---------|------------------|
| L1 | 18 | (US-20070212584-\$ or US-20040202924-\$ or US-20030035989-\$ or US-20030215689-\$ or US-20060257702-\$ or US-20030162067-\$ or US-20040126298-\$ or US-20020098401-\$ or US-20060057295-\$). did. or (US-6183896-\$ or US-5955039-\$ or US-5733435-\$ or US-5376469-\$ or US-4259414-\$ or US-6492047-\$ or US-7229710-\$ or US-7332237-\$ or US-6379828-\$).did. | US-PGPUB; USPAT | ADJ | ON | 2010/12/17 13:01 |
| L2 | 2 | l1 and (peat or corn or rice) | US-PGPUB; USPAT | ADJ | ON | 2010/12/17 13:26 |
| L3 | 221 | 429/400-535.ccls. and (peat or corn or rice) | US-PGPUB; USPAT | ADJ | ON | 2010/12/17 13:27 |
| L4 | 45 | 429/400-535.ccls. and (peat or corn or rice) with carbon | US-PGPUB; USPAT | ADJ | ON | 2010/12/17 13:27 |
| L5 | 46 | 429/400-535.ccls. and (peat or corn or rice) with fuel | US-PGPUB; USPAT | ADJ | ON | 2010/12/17 14:13 |
| L6 | 30 | 429/400-535.ccls. and (agricultur\$6) with fuel | US-PGPUB; USPAT | ADJ | ON | 2010/12/17 14:49 |
| L7 | 38 | 429/400-535.ccls. and coal with ((agricultur \$6) or peat or rice or corn) | US-PGPUB; USPAT | ADJ | ON | 2010/12/17 14:55 |
| L8 | 5 | l1 and biomass | US-PGPUB; USPAT | ADJ | ON | 2010/12/17 15:32 |
| L9 | 411 | fuel cell and coal with (peat or corn or rice) not l7 | US-PGPUB; USPAT | ADJ | ON | 2010/12/17 15:33 |
| L10 | 411 | (fuel cell and coal with (peat or corn or rice)) not l7 | US-PGPUB; USPAT | ADJ | ON | 2010/12/17 15:33 |

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| L11 | 60 | (fuel cell and fuel with coal with (peat or corn or rice)) not I7 | US-PGPUB; USPAT | ADJ | ON | 2010/12/17 15:34 |
| L12 | 144 | (fuel cell and (peat or corn or rice)) | EPO; JPO; DERWENT | ADJ | ON | 2010/12/17 15:42 |
| L13 | 54 | (fuel cell and (peat or corn or rice) with (fuel or biomass or biofuel)) | EPO; JPO; DERWENT | ADJ | ON | 2010/12/17 15:42 |
| L14 | 167 | 429/400-535.ccls. and (biomass or biofuel) with (fuel or anode or negative electrode) and (biomass or biofuel with (peat or corn or rice or agricultu\$6)) | US-PGPUB; USPAT | ADJ | ON | 2010/12/17 15:45 |
| L15 | 29 | 429/400-535.ccls. and (biomass or biofuel) with (fuel or anode or negative electrode) and ((biomass or biofuel) with (peat or corn or rice or agricultu \$6)) | US-PGPUB; USPAT | ADJ | ON | 2010/12/17 15:46 |
| L16 | 163 | 429/400-535.ccls. and (biomass with fuel) | US-PGPUB; USPAT | ADJ | ON | 2010/12/17 15:54 |
| L17 | 221 | 429/400-535.ccls. and (rice or corn or peat) | US-PGPUB; USPAT | ADJ | ON | 2010/12/17 15:56 |
| L18 | 221 | 429/400-535.ccls. and (rice or corn or peat not corn starch not corn oil) | US-PGPUB; USPAT | ADJ | ON | 2010/12/17 15:57 |
| L19 | 169 | 429/400-535.ccls. and (rice or corn or peat) not corn starch not corn oil | US-PGPUB; USPAT | ADJ | ON | 2010/12/17 15:58 |
| L20 | 21 | (US-20070212584-\$ or US-20040202924-\$ or US-20030035989-\$ or US-20030215689-\$ or US-20060257702-\$ or US-20030162067-\$ or US-20040126298-\$ or US-20020098401-\$ or US-20060057295-\$ or US-20080292912-\$). did. or (US-6183896-\$ or US-5955039-\$ or US-5733435-\$ or US-5376469-\$ or US-4259414-\$ or US-6492047-\$ or US-7229710-\$ or US- | US-PGPUB; USPAT | ADJ | ON | 2010/12/17 16:04 |

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| | | 7332237-\$ or US-6379828-\$ or US-5449568-\$ or US-6680137-\$).did. | | | | |
| L21 | 10 | I20 and (bio\$6 or biolog \$6) | US-PGPUB; USPAT | ADJ | ON | 2010/12/17 16:05 |
| L22 | 4 | I20 and (bio\$6 or biolog \$6) and (corn or rice or peat) | US-PGPUB; USPAT | ADJ | ON | 2010/12/17 16:10 |
| S1 | 1 | "10576385" | US-PGPUB; USPAT | ADJ | ON | 2010/09/24 10:43 |
| S2 | 46 | "429".clas. and solid state fuel cell | US-PGPUB; USPAT | ADJ | ON | 2010/09/24 10:43 |
| S3 | 0 | S2 and organic fuel cell | US-PGPUB; USPAT | ADJ | ON | 2010/09/24 11:06 |
| S4 | 4 | "429".clas. and solid adj2 organic fuel cell | US-PGPUB; USPAT | ADJ | ON | 2010/09/24 11:07 |
| S5 | 419 | "429".clas. and direct oxidation fuel cell | US-PGPUB; USPAT | ADJ | ON | 2010/09/24 11:08 |
| S6 | 100 | S5 and (solid state fuel or solid fuel or organic fuel) | US-PGPUB; USPAT | ADJ | ON | 2010/09/24 11:09 |
| S7 | 31 | S5 and (solid state fuel or solid fuel or solid adj2 organic fuel) | US-PGPUB; USPAT | ADJ | ON | 2010/09/24 11:09 |
| S8 | 1 | "20040202924" | US-PGPUB; USPAT | ADJ | ON | 2010/09/24 14:42 |
| S9 | 0 | "2003035989" | US-PGPUB; USPAT | ADJ | ON | 2010/12/06 14:32 |
| S10 | 0 | "2003035989" | US-PGPUB; USPAT | ADJ | ON | 2010/12/06 14:32 |
| S11 | 1 | "20030035989" | US-PGPUB; USPAT | ADJ | ON | 2010/12/06 14:32 |
| S12 | 1 | "20030215689" | US-PGPUB; USPAT | ADJ | ON | 2010/12/06 14:33 |
| S13 | 9 | "6183896" | US-PGPUB; USPAT | ADJ | ON | 2010/12/06 14:33 |
| S14 | 17 | "6017646" | US-PGPUB; USPAT | ADJ | ON | 2010/12/06 14:33 |
| S15 | 188 | "5955039" | US-PGPUB; USPAT | ADJ | ON | 2010/12/06 14:33 |
| S16 | 46 | "5733435" | US-PGPUB; USPAT | ADJ | ON | 2010/12/06 14:34 |
| S17 | 12 | "5376469" | US-PGPUB; USPAT | ADJ | ON | 2010/12/06 14:34 |
| S18 | 7 | "4259414" | US-PGPUB; USPAT | ADJ | ON | 2010/12/06 14:34 |

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| S19 | 20456 | 429/400-535.ccls. | US-PGPUB; USPAT | ADJ | ON | 2010/12/06 14:35 |
| S20 | 154 | 429/401.ccls. | US-PGPUB; USPAT | ADJ | ON | 2010/12/06 14:36 |
| S21 | 15 | S20 and (peat or rice or corn) | US-PGPUB; USPAT | ADJ | ON | 2010/12/06 14:36 |
| S22 | 206 | S19 and (peat or rice or corn) not S21 | US-PGPUB; USPAT | ADJ | ON | 2010/12/06 14:38 |
| S23 | 49 | S19 and (peat or rice or corn) with (fuel or biomass) not S21 | US-PGPUB; USPAT | ADJ | ON | 2010/12/06 14:38 |
| S24 | 0 | "10519473" | US-PGPUB; USPAT | ADJ | ON | 2010/12/07 10:08 |
| S25 | 1 | 10/519473 | US-PGPUB; USPAT | ADJ | ON | 2010/12/07 10:08 |
| S26 | 1 | "20010014415" | US-PGPUB; USPAT | ADJ | ON | 2010/12/07 10:22 |
| S27 | 53 | "5605770" | US-PGPUB; USPAT | ADJ | ON | 2010/12/07 10:22 |
| S28 | 1 | "20020022167" | US-PGPUB; USPAT | ADJ | ON | 2010/12/07 10:23 |
| S29 | 20533 | 429/400-535.ccls. | US-PGPUB; USPAT | ADJ | ON | 2010/12/14 10:51 |
| S30 | 47 | S29 and lanthanum strontium manganese oxide or La Sr Mn O | US-PGPUB; USPAT | ADJ | ON | 2010/12/14 10:51 |
| S31 | 35 | S29 and (lanthanum strontium manganese oxide or La Sr Mn O) | US-PGPUB; USPAT | ADJ | ON | 2010/12/14 10:51 |
| S32 | 20533 | 429/400-535.ccls. | US-PGPUB; USPAT | ADJ | ON | 2010/12/14 15:02 |
| S33 | 35 | S32 and (lanthanum strontium manganese oxide or La Sr Mn O) | US-PGPUB; USPAT | ADJ | ON | 2010/12/14 15:02 |
| S34 | 3 | S33 and (LSCF or SSC or LSF) | US-PGPUB; USPAT | ADJ | ON | 2010/12/14 15:02 |
| S35 | 2 | S33 and (lanthanum strontium ferr\$5 or lanthanum strontium cobalt ferr\$5 or samar \$4 strontium cobalt oxide) | US-PGPUB; USPAT | ADJ | ON | 2010/12/14 15:17 |

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| S36 | 276 | S32 and (LSCF or SSC or LSF or lanthanum strontium ferr\$5 or lanthanum strontium cobalt ferr\$5 or samar \$4 strontium cobalt oxide) | US-PGPUB; USPAT | ADJ | ON | 2010/12/14 15:51 |
| S37 | 11 | S32 and (LSCF or SSC or LSF or lanthanum strontium ferr\$5 or lanthanum strontium cobalt ferr\$5 or samar \$4 strontium cobalt oxide) with cataly\$7 | US-PGPUB; USPAT | ADJ | ON | 2010/12/14 16:05 |
| S38 | 143 | S32 and (LSCF or SSC or LSF or lanthanum strontium ferr\$5 or lanthanum strontium cobalt ferr\$5 or samar \$4 strontium cobalt oxide) and electrolyt\$6 with yttrium stabiliz\$6 | US-PGPUB; USPAT | ADJ | ON | 2010/12/14 16:13 |
| S39 | 0 | S32 and (LSCF or SSC or LSF or lanthanum strontium ferr\$5 or lanthanum strontium cobalt ferr\$5 or samar \$4 strontium cobalt oxide) and electrolyt\$6 with yttrium stabiliz\$6 bismuth | US-PGPUB; USPAT | ADJ | ON | 2010/12/14 16:14 |
| S40 | 20533 | 429/400-535.ccls. | US-PGPUB; USPAT | ADJ | ON | 2010/12/14 16:20 |
| S41 | 156 | 429/401.ccls. | US-PGPUB; USPAT | ADJ | ON | 2010/12/14 16:20 |
| S42 | 15 | S41 and (peat or rice or corn) | US-PGPUB; USPAT | ADJ | ON | 2010/12/14 16:20 |
| S43 | 49 | S40 and (peat or rice or corn) with (fuel or biomass) not S42 | US-PGPUB; USPAT | ADJ | ON | 2010/12/14 16:20 |
| S44 | 2 | S32 and (LSCF or SSC or LSF or lanthanum strontium ferr\$5 or lanthanum strontium cobalt ferr\$5 or samar \$4 strontium cobalt oxide) and electrolyt\$6 with yttrium stabiliz\$6 and S43 | US-PGPUB; USPAT | ADJ | ON | 2010/12/14 16:20 |
| S45 | 2 | S38 and organic fuel | US-PGPUB; USPAT | ADJ | ON | 2010/12/14 16:23 |

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| S46 | 4 | S38 and biomass | US-PGPUB; USPAT | ADJ | ON | 2010/12/14 16:24 |
| S47 | 4 | 429/400-535 ccls. and (direct oxidation or direct organic) and (peat or rice or corn) with biomass | US-PGPUB; USPAT | ADJ | ON | 2010/12/14 17:24 |
| S48 | 20 | 429/400-535 ccls. and (direct oxidation or direct organic) and (peat or rice or corn) | US-PGPUB; USPAT | ADJ | ON | 2010/12/14 17:24 |
| S49 | 144 | fuel cell and (peat or rice or corn) | EPO; JPO; DERWENT | ADJ | ON | 2010/12/14 17:27 |
| S50 | 36 | 429/400-535 ccls. and (direct oxidation or direct organic) and (biomass) | US-PGPUB; USPAT | ADJ | ON | 2010/12/14 17:30 |
| S52 | 1 | 429/400-535 ccls. and (solid fuel) near3 organic | US-PGPUB; USPAT | ADJ | ON | 2010/12/14 19:47 |
| S53 | 2 | 429/400-535 ccls. and (solid organic fuel) | US-PGPUB; USPAT | ADJ | ON | 2010/12/14 19:55 |
| S54 | 0 | "2003035989" | US-PGPUB; USPAT | ADJ | ON | 2010/12/16 17:03 |
| S55 | 1 | "20030035989" | US-PGPUB; USPAT | ADJ | ON | 2010/12/16 17:03 |
| S56 | 600 | 429/400-535 ccls. and fuel with coal | US-PGPUB; USPAT | ADJ | ON | 2010/12/16 17:04 |
| S57 | 47 | 429/400-535 ccls. and fuel with coal with anode | US-PGPUB; USPAT | ADJ | ON | 2010/12/16 17:05 |
| S58 | 55 | 429/400-535 ccls. and fuel with coal with (anode or negative electrode or fuel electrode) | US-PGPUB; USPAT | ADJ | ON | 2010/12/16 17:05 |
| S59 | 51 | 429/400-535 ccls. and fuel cell with solid state fuel | US-PGPUB; USPAT | ADJ | ON | 2010/12/16 17:15 |
| S60 | 8 | 429/400-535 ccls. and fuel cell with solid state fuel not solid state fuel cell | US-PGPUB; USPAT | ADJ | ON | 2010/12/16 17:16 |
| S61 | 2 | "7229710" | US-PGPUB; USPAT | ADJ | ON | 2010/12/16 17:46 |
| S62 | 218 | 429/400-535 ccls. and (solid near fuel not (solid oxide fuel cell)) | US-PGPUB; USPAT | ADJ | ON | 2010/12/16 17:53 |

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| S63 | 11 | 429/400-535.ccls. and direct coal fuel cell | US-PGPUB; USPAT | ADJ | ON | 2010/12/16 17:54 |
| S64 | 21 | 429/400-535.ccls. and (solid carbon\$7 fuel) | US-PGPUB; USPAT | ADJ | ON | 2010/12/16 17:55 |
| S65 | 1 | 429/400-535.ccls. and (solid carbon\$7 based fuel) | US-PGPUB; USPAT | ADJ | ON | 2010/12/16 18:18 |
| S66 | 21 | 429/400-535.ccls. and (solid carbon\$7 adj1 fuel) | US-PGPUB; USPAT | ADJ | ON | 2010/12/16 18:19 |
| S67 | 5 | 429/400-535.ccls. and (solid carbon\$7 adj2 fuel) not S64 | US-PGPUB; USPAT | ADJ | ON | 2010/12/16 18:23 |
| S68 | 331 | 429/400-535.ccls. and (solid fuel) | US-PGPUB; USPAT | ADJ | ON | 2010/12/16 18:37 |
| S69 | 219 | 429/400-535.ccls. and (solid fuel) not solid fuel cell | US-PGPUB; USPAT | ADJ | ON | 2010/12/16 18:42 |
| S70 | 15 | (US-20070212584-\$ or US-20040202924-\$ or US-20030035989-\$ or US-20030215689-\$ or US-20060257702-\$ or US-20030162067-\$). did. or (US-6183896-\$ or US-5955039-\$ or US-5733435-\$ or US-5376469-\$ or US-4259414-\$ or US-6492047-\$ or US-7229710-\$ or US-7332237-\$ or US-6379828-\$). did. | US-PGPUB; USPAT | ADJ | ON | 2010/12/16 21:36 |
| S71 | 1 | S70 and (LSF or LSFC or SSC) | US-PGPUB; USPAT | ADJ | ON | 2010/12/16 21:36 |
| S72 | 1 | S70 and (LSFC or SSC or LSF or lanthanum strontium ferr\$5 or lanthanum strontium cobalt ferr\$5 or samar \$4 strontium cobalt oxide) and electrolyt\$6 with yttrium stabiliz\$6 | US-PGPUB; USPAT | ADJ | ON | 2010/12/16 21:37 |
| S73 | 20557 | 429/400-535.ccls. | US-PGPUB; USPAT | ADJ | ON | 2010/12/16 21:38 |

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| S74 | 56 | S73 and (LSCF or SSC or LSF or lanthanum strontium ferr\$5 or lanthanum strontium cobalt ferr\$5 or samar \$4 strontium cobalt oxide) and (re or rhenium) | US-PGPUB; USPAT | ADJ | ON | 2010/12/16 21:38 |
| S75 | 11 | S73 and (LSCF or SSC or LSF or lanthanum strontium ferr\$5 or lanthanum strontium cobalt ferr\$5 or samar \$4 strontium cobalt oxide) and (re nio or rhenium) | US-PGPUB; USPAT | ADJ | ON | 2010/12/16 21:39 |
| S76 | 2 | S73 and re nio | US-PGPUB; USPAT | ADJ | ON | 2010/12/16 21:39 |
| S77 | 0 | S73 and renio | US-PGPUB; USPAT | ADJ | ON | 2010/12/16 21:39 |
| S78 | 0 | S73 and rhenium nickel oxide | US-PGPUB; USPAT | ADJ | ON | 2010/12/16 21:40 |
| S79 | 20 | S73 and (re or rhenium) with (nickel oxide or nio) | US-PGPUB; USPAT | ADJ | ON | 2010/12/16 21:40 |
| S80 | 186 | S73 and Nio YSZ | US-PGPUB; USPAT | ADJ | ON | 2010/12/16 21:43 |
| S81 | 4 | S73 and Nio YSZ with (re or rhenium) | US-PGPUB; USPAT | ADJ | ON | 2010/12/16 21:43 |
| S82 | 50 | S73 and (LSCF or SSC or LSF or lanthanum strontium ferr\$5 or lanthanum strontium cobalt ferr\$5 or samar \$4 strontium cobalt oxide) and NiO YSZ | US-PGPUB; USPAT | ADJ | ON | 2010/12/16 21:43 |
| S83 | 2 | S73 and (LSCF or SSC or LSF or lanthanum strontium ferr\$5 or lanthanum strontium cobalt ferr\$5 or samar \$4 strontium cobalt oxide) and NiO YSZ same (re or rhenium) | US-PGPUB; USPAT | ADJ | ON | 2010/12/16 21:44 |
| S84 | 5 | S73 and cataly\$8 same (re or rhenium) same (nickel oxide or nio) | US-PGPUB; USPAT | ADJ | ON | 2010/12/16 22:50 |
| S85 | 179 | cataly\$8 same (re or rhenium) same (nickel oxide or nio) | US-PGPUB; USPAT | ADJ | ON | 2010/12/16 22:51 |

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| S86 | 17 | cataly\$8 same (re or rhenium) same (nickel oxide or nio) and fuel cell | US-PGPUB; USPAT | ADJ | ON | 2010/12/16 22:51 |
| S87 | 68 | cataly\$8 same (re or rhenium) same (nickel oxide or nio or oxide near3 rhenium) and fuel cell | US-PGPUB; USPAT | ADJ | ON | 2010/12/16 22:59 |
| S88 | 51 | S87 not S86 | US-PGPUB; USPAT | ADJ | ON | 2010/12/16 22:59 |
| S89 | 31 | cataly\$8 same (re or rhenium) same (nickel oxide or nio or oxide near3 nickel) and fuel cell | US-PGPUB; USPAT | ADJ | ON | 2010/12/16 23:00 |
| S90 | 43 | cataly\$8 same (re or rhenium) same (nickel oxide or nio or oxide near3 (nickel or ni)) and fuel cell | US-PGPUB; USPAT | ADJ | ON | 2010/12/16 23:00 |
| S91 | 26 | S90 not S86 | US-PGPUB; USPAT | ADJ | ON | 2010/12/16 23:00 |
| S92 | 43 | cataly\$8 same (re or rhenium) same (nickel oxide or nio or oxide near3 (nickel or ni) or nickel ii oxide) and fuel cell | US-PGPUB; USPAT | ADJ | ON | 2010/12/16 23:02 |
| S93 | 7 | barnett.inv. and NiO YSZ | US-PGPUB; USPAT | ADJ | ON | 2010/12/16 23:08 |
| S94 | 2 | S73 and cuo pt | US-PGPUB; USPAT | ADJ | ON | 2010/12/16 23:12 |
| S95 | 26 | S73 and cataly\$8 with copper adj2 oxide with (platinum or pt) | US-PGPUB; USPAT | ADJ | ON | 2010/12/16 23:14 |
| S96 | 0 | S73 and ("A.sub."I"B.sub."I"CO.sub.3") or ("La.sub.0."I"Sr.sub.0."I"CO.sub.3")) | US-PGPUB; USPAT | ADJ | ON | 2010/12/16 23:26 |
| S97 | 0 | S73 and ("A.sub."I"B.sub."I"CO.sub.3") or ("La.sub.0."I"Sr.sub.0."I"CO.sub.3")) | US-PGPUB; USPAT | ADJ | ON | 2010/12/16 23:27 |
| S98 | 2 | S73 and ("A.sub.xB.sub.yCO.sub.3") or ("La.sub.0."I"Sr.sub.0."I"CO.sub.3")) | US-PGPUB; USPAT | ADJ | ON | 2010/12/16 23:27 |

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| S99 | 3 | S73 and (("A.sub."\$B.sub."\$CO.sub.3") or ("La.sub.0."\$Sr.sub.0."\$CO.sub.3")) | US-PGPUB; USPAT | ADJ | ON | 2010/12/16 23:28 |
| S100 | 6 | S73 and (("A.sub."\$B.sub."\$CO.sub.3") or ("La.sub.0."\$Sr.sub.0."\$CO.sub.3")) | US-PGPUB; USPAT | ADJ | ON | 2010/12/16 23:28 |
| S101 | 6 | S73 and (("A.sub."\$B.sub."\$CO.sub.3") or ("La.sub.0."\$Sr.sub.0."\$CO.sub.3") or ("La.sub.0."\$Ce.sub.0."\$CO.sub.3") or ("La.sub.0."\$Co.sub.0."\$CO.sub.3")) | US-PGPUB; USPAT | ADJ | ON | 2010/12/16 23:29 |
| S102 | 7 | S73 and (("A.sub."\$B.sub."\$CO.sub.3") or ("La.sub.0."\$Sr.sub.0."\$CO.sub.3") or ("La.sub.0."\$Ce.sub.0."\$CO.sub.3") or ("La.sub.0."\$Co.sub.0."\$CO.sub.3") or ("Gd.sub.0."\$Sr.sub.0."\$CO.sub.3") or ("Sm.sub.0."\$Sr.sub.0."\$CO.sub.3") or ("Nd.sub.0."\$Sr.sub.0."\$CO.sub.3") or ("Br.sub.0."\$Sr.sub.0."\$CO.sub.3") or ("Tb.sub.0."\$Sr.sub.0."\$CO.sub.3") or ("Sr.sub.0."\$Sr.sub.0."\$CO.sub.3") or ("B.sub.0."\$Sr.sub.0."\$CO.sub.3")) | US-PGPUB; USPAT | ADJ | ON | 2010/12/16 23:31 |
| S103 | 1 | S102 not S101 | US-PGPUB; USPAT | ADJ | ON | 2010/12/16 23:31 |
| S104 | 0 | catally\$8 (("A.sub."\$B.sub."\$CO.sub.3") or ("La.sub.0."\$Sr.sub.0."\$CO.sub.3") or ("La.sub.0."\$Ce.sub.0."\$CO.sub.3") or ("La.sub.0."\$Co.sub.0."\$CO.sub.3") or ("Gd.sub.0."\$Sr.sub.0."\$CO.sub.3") or ("Sm.sub.0."\$Sr.sub.0."\$CO.sub.3") or ("Nd.sub.0."\$Sr. | US-PGPUB; USPAT | ADJ | ON | 2010/12/16 23:31 |

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| | | sub.0."\$CO.sub.3") or ("Br.sub.0."\$Sr.sub.0."\$CO.sub.3") or ("Tb.sub.0."\$Sr.sub.0."\$CO.sub.3") or ("Sr.sub.0."\$Sr.sub.0."\$CO.sub.3") or ("B.sub.0."\$Sr.sub.0."\$CO.sub.3")) | | | | |
| S105 | 32 | sub.0."\$CO.sub.3") or ("A.sub.0."\$B.sub.0."\$CO.sub.3") or ("La.sub.0."\$Sr.sub.0."\$CO.sub.3") or ("La.sub.0."\$Oe.sub.0."\$CO.sub.3") or ("La.sub.0."\$Co.sub.0."\$CO.sub.3") or ("Gd.sub.0."\$Sr.sub.0."\$CO.sub.3") or ("Sm.sub.0."\$Sr.sub.0."\$CO.sub.3") or ("Nd.sub.0."\$Sr.sub.0."\$CO.sub.3") or ("Br.sub.0."\$Sr.sub.0."\$CO.sub.3") or ("Tb.sub.0."\$Sr.sub.0."\$CO.sub.3") or ("Sr.sub.0."\$Sr.sub.0."\$CO.sub.3") or ("B.sub.0."\$Sr.sub.0."\$CO.sub.3")) | US-PGPUB; USPAT | ADJ | ON | 2010/12/16 23:31 |
| S106 | 31 | S105 not S103 | US-PGPUB; USPAT | ADJ | ON | 2010/12/16 23:32 |
| S107 | 27 | S105 not S102 | US-PGPUB; USPAT | ADJ | ON | 2010/12/16 23:32 |
| S108 | 1 | S107 and fuel cell | US-PGPUB; USPAT | ADJ | ON | 2010/12/16 23:32 |
| S109 | 2 | cataly\$8 and ("A.sub.0."\$B.sub.0."\$CO.sub.3")) and fuel cell | US-PGPUB; USPAT | ADJ | ON | 2010/12/16 23:34 |

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| S110 | 2 | fuel cell and ("Gd. sub.0."\$"Sr. sub.0."\$"OO.sub.3") or ("Gd.sub.0."\$"Ce. sub.0."\$"OO.sub.3") or ("Gd.sub.0."\$"Co. sub.0."\$"OO.sub.3") or ("Sm.sub.0."\$"Sr. sub.0."\$"OO.sub.3") or ("Sm.sub.0."\$"Ce. sub.0."\$"OO.sub.3") or ("Sm.sub.0."\$"Co. sub.0."\$"OO.sub.3") or ("Nd.sub.0."\$"Sr. sub.0."\$"OO.sub.3") or ("Nd.sub.0."\$"Ce. sub.0."\$"OO.sub.3") or ("Nd.sub.0."\$"Co. sub.0."\$"OO.sub.3") or ("Br.sub.0."\$"Sr. sub.0."\$"OO.sub.3") or ("Br.sub.0."\$"Ce. sub.0."\$"OO.sub.3") or ("Br.sub.0."\$"Co. sub.0."\$"OO.sub.3") or ("Tb.sub.0."\$"Sr. sub.0."\$"OO.sub.3") or ("Tb.sub.0."\$"Ce. sub.0."\$"OO.sub.3") or ("Tb.sub.0."\$"Co. sub.0."\$"OO.sub.3") or ("Sr.sub.0."\$"Sr. sub.0."\$"OO.sub.3") or ("Sr.sub.0."\$"Ce. sub.0."\$"OO.sub.3") or ("Sr.sub.0."\$"Co. sub.0."\$"OO.sub.3") or ("B.sub.0."\$"Sr. sub.0."\$"OO.sub.3") or ("B.sub.0."\$"Ce. sub.0."\$"OO.sub.3") or ("B.sub.0."\$"Co. sub.0."\$"OO.sub.3")) | US-PGPUB; USPAT | ADJ | ON | 2010/12/16 23:37 |
|------|---|--|--------------------|-----|----|---------------------|

| | | | | | | |
|------|---|--|--------------------|-----|----|---------------------|
| S111 | 3 | fuel cell and ("A.sub.0."\$"B.sub.0."\$"CO.sub.3") or ("La.sub.0."\$"Sr.sub.0."\$"CO.sub.3") or ("La.sub.0."\$"Ce.sub.0."\$"CO.sub.3") or ("La.sub.0."\$"Co.sub.0."\$"CO.sub.3") or ("Gd.sub.0."\$"Sr.sub.0."\$"CO.sub.3") or ("Sm.sub.0."\$"Sr.sub.0."\$"CO.sub.3") or ("Nd.sub.0."\$"Sr.sub.0."\$"CO.sub.3") or ("Br.sub.0."\$"Sr.sub.0."\$"CO.sub.3") or ("Tb.sub.0."\$"Sr.sub.0."\$"CO.sub.3") or ("Sr.sub.0."\$"Sr.sub.0."\$"CO.sub.3") or ("B.sub.0."\$"Sr.sub.0."\$"CO.sub.3") or ("Gd.sub.0."\$"Sr.sub.0."\$"CO.sub.3") or ("Gd.sub.0."\$"Ce.sub.0."\$"CO.sub.3") or ("Gd.sub.0."\$"Co.sub.0."\$"CO.sub.3") or ("Sm.sub.0."\$"Sr.sub.0."\$"Ce.sub.0."\$"CO.sub.3") or ("Sm.sub.0."\$"Co.sub.0."\$"CO.sub.3") or ("Nd.sub.0."\$"Sr.sub.0."\$"CO.sub.3") or ("Nd.sub.0."\$"Ce.sub.0."\$"CO.sub.3") or ("Nd.sub.0."\$"Co.sub.0."\$"CO.sub.3") or ("Br.sub.0."\$"Sr.sub.0."\$"Ce.sub.0."\$"CO.sub.3") or ("Br.sub.0."\$"Co.sub.0."\$"CO.sub.3") or ("Tb.sub.0."\$"Sr.sub.0."\$"CO.sub.3") or ("Tb.sub.0."\$"Ce.sub.0."\$"CO.sub.3") or ("Tb.sub.0."\$"Co.sub.0."\$"CO.sub.3") or ("Sr.sub.0."\$"Sr.sub.0."\$"CO.sub.3") or | US-PGPUB; USPAT | ADJ | ON | 2010/12/16 23:39 |
|------|---|--|--------------------|-----|----|---------------------|

| | | | | | | |
|------|---|---|--------------------|-----|----|----------------------|
| | | (("Sr.sub.0."\$Ce.sub.0."\$CO.sub.3") or ("Sr.sub.0."\$Co.sub.0."\$CO.sub.3") or ("B.sub.0."\$Sr.sub.0."\$CO.sub.3") or ("B.sub.0."\$Ce.sub.0."\$CO.sub.3") or ("B.sub.0."\$Co.sub.0."\$CO.sub.3")) not (S110 or S105) | | | | |
| S112 | 0 | (cathode or electrode) with ((("A.sub."\$B.sub."\$CO.sub.3") or ("La.sub.0."\$Sr.sub.0."\$CO.sub.3") or ("La.sub.0."\$Ce.sub.0."\$CO.sub.3") or ("La.sub.0."\$Co.sub.0."\$CO.sub.3") or ("Gd.sub.0."\$Sr.sub.0."\$CO.sub.3") or ("Gd.sub.0."\$Ce.sub.0."\$CO.sub.3") or ("Gd.sub.0."\$Co.sub.0."\$CO.sub.3") or ("Br.sub.0."\$Sr.sub.0."\$CO.sub.3") or ("Br.sub.0."\$Ce.sub.0."\$CO.sub.3") or ("Br.sub.0."\$Co.sub.0."\$CO.sub.3") or ("Nd.sub.0."\$Sr.sub.0."\$CO.sub.3") or ("Nd.sub.0."\$Ce.sub.0."\$CO.sub.3") or ("Nd.sub.0."\$Co.sub.0."\$CO.sub.3") or ("Sm.sub.0."\$Sr.sub.0."\$CO.sub.3") or ("Sm.sub.0."\$Ce.sub.0."\$CO.sub.3") or ("Sm.sub.0."\$Co.sub.0."\$CO.sub.3") or ("Nd.sub.0."\$Sr.sub.0."\$Ce.sub.0."\$CO.sub.3") or ("Nd.sub.0."\$Sr.sub.0."\$Co.sub.0."\$CO.sub.3") or ("Br.sub.0."\$Sr.sub.0."\$Ce.sub.0."\$CO.sub.3") or ("Br.sub.0."\$Sr.sub.0."\$Co.sub.0."\$CO.sub.3") or ("Br.sub.0."\$Ce.sub.0."\$CO.sub.3") or ("Br.sub.0."\$Ce.sub.0."\$Co.sub.0."\$CO.sub.3")) | US-PGPUB; USPAT | ADJ | ON | 2010/ 12/16 23:43 |

| | | | | | | |
|------|---|--|--------------------|-----|----|----------------------|
| | | sub.0."\$'CO.sub.3") or ("Br.sub.0."\$'Co.sub.0."\$'CO.sub.3") or ("Tb.sub.0."\$'Sr.sub.0."\$'CO.sub.3") or ("Tb.sub.0."\$'Ce.sub.0."\$'CO.sub.3") or ("Tb.sub.0."\$'Co.sub.0."\$'CO.sub.3") or ("Sr.sub.0."\$'Sr.sub.0."\$'CO.sub.3") or ("Sr.sub.0."\$'Ce.sub.0."\$'CO.sub.3") or ("Sr.sub.0."\$'Co.sub.0."\$'CO.sub.3") or ("B.sub.0."\$'Sr.sub.0."\$'CO.sub.3") or ("B.sub.0."\$'Ce.sub.0."\$'CO.sub.3") or ("B.sub.0."\$'Co.sub.0."\$'CO.sub.3")) not (S110 or S105) | | | | |
| S113 | 0 | (cataly\$8) with (("A.sub.0."\$'B.sub.0."\$'CO.sub.3") or ("La.sub.0."\$'Sr.sub.0."\$'CO.sub.3") or ("La.sub.0."\$'Ce.sub.0."\$'CO.sub.3") or ("La.sub.0."\$'Co.sub.0."\$'CO.sub.3") or ("Gd.sub.0."\$'Sr.sub.0."\$'CO.sub.3") or ("Sm.sub.0."\$'Sr.sub.0."\$'CO.sub.3") or ("Nd.sub.0."\$'Sr.sub.0."\$'CO.sub.3") or ("Br.sub.0."\$'Sr.sub.0."\$'CO.sub.3") or ("Tb.sub.0."\$'Sr.sub.0."\$'CO.sub.3") or ("Sr.sub.0."\$'Sr.sub.0."\$'CO.sub.3") or ("B.sub.0."\$'Sr.sub.0."\$'CO.sub.3") or ("Gd.sub.0."\$'Sr.sub.0."\$'CO.sub.3") or ("Gd.sub.0."\$'Ce.sub.0."\$'CO.sub.3") or ("Gd.sub.0."\$'Co.sub.0."\$'CO.sub.3") or ("Sm.sub.0."\$'Sr.sub.0."\$'CO.sub.3") or ("Sm.sub.0."\$'Ce.sub.0."\$'CO.sub.3") or | US-FGPUB; USPAT | ADJ | ON | 2010/ 12/16 23:43 |

| | | | | | | |
|------|---|--|--------------------|-----|----|---------------------|
| | | (("Sm.sub.0."\$Co. sub.0."\$CO.sub.3") or ("Nd.sub.0."\$Sr. sub.0."\$CO.sub.3") or ("Nd.sub.0."\$Ce. sub.0."\$CO.sub.3") or ("Nd.sub.0."\$Co. sub.0."\$CO.sub.3") or ("Br.sub.0."\$Sr. sub.0."\$CO.sub.3") or ("Br.sub.0."\$Ce. sub.0."\$CO.sub.3") or ("Br.sub.0."\$Co. sub.0."\$CO.sub.3") or ("Tb.sub.0."\$Sr. sub.0."\$CO.sub.3") or ("Tb.sub.0."\$Ce. sub.0."\$CO.sub.3") or ("Tb.sub.0."\$Co. sub.0."\$CO.sub.3") or ("Sr.sub.0."\$Sr. sub.0."\$CO.sub.3") or ("Sr.sub.0."\$Ce. sub.0."\$CO.sub.3") or ("Sr.sub.0."\$Co. sub.0."\$CO.sub.3") or ("B.sub.0."\$Sr. sub.0."\$CO.sub.3") or ("B.sub.0."\$Ce. sub.0."\$CO.sub.3") or ("B.sub.0."\$Co. sub.0."\$CO.sub.3")) not (S110 or S105) | | | | |
| S114 | 4 | ((("A.sub.0."\$B. sub.0."\$CO.sub.3") or ("La.sub.0."\$Sr. sub.0."\$CO.sub.3") or ("La.sub.0."\$Ce. sub.0."\$CO.sub.3") or ("La.sub.0."\$Co. sub.0."\$CO.sub.3") or ("Gd.sub.0."\$Sr. sub.0."\$CO.sub.3") or ("Sm.sub.0."\$Sr. sub.0."\$CO.sub.3") or ("Nd.sub.0."\$Sr. sub.0."\$CO.sub.3") or ("Br.sub.0."\$Sr. sub.0."\$CO.sub.3") or ("Tb.sub.0."\$Sr. sub.0."\$CO.sub.3") or ("Sr.sub.0."\$Sr. sub.0."\$CO.sub.3") or ("B.sub.0."\$Sr. sub.0."\$CO.sub.3") or | US-FGPUB; USPAT | ADJ | ON | 2010/12/16 23:43 |

("Gd.sub.0."\$ "Sr.
sub.0."\$ "Oo.sub.3") or
("Gd.sub.0."\$ "Ce.
sub.0."\$ "Oo.sub.3") or
("Gd.sub.0."\$ "Co.
sub.0."\$ "Oo.sub.3") or
("Sm.sub.0."\$ "Sr.
sub.0."\$ "Oo.sub.3") or
("Sm.sub.0."\$ "Ce.
sub.0."\$ "Oo.sub.3") or
("Sm.sub.0."\$ "Co.
sub.0."\$ "Oo.sub.3") or
("Nd.sub.0."\$ "Sr.
sub.0."\$ "Oo.sub.3") or
("Nd.sub.0."\$ "Ce.
sub.0."\$ "Oo.sub.3") or
("Nd.sub.0."\$ "Co.
sub.0."\$ "Oo.sub.3") or
("Br.sub.0."\$ "Sr.
sub.0."\$ "Oo.sub.3") or
("Br.sub.0."\$ "Ce.
sub.0."\$ "Oo.sub.3") or
("Br.sub.0."\$ "Co.
sub.0."\$ "Oo.sub.3") or
("Tb.sub.0."\$ "Sr.
sub.0."\$ "Oo.sub.3") or
("Tb.sub.0."\$ "Ce.
sub.0."\$ "Oo.sub.3") or
("Tb.sub.0."\$ "Co.
sub.0."\$ "Oo.sub.3") or
("Sr.sub.0."\$ "Sr.
sub.0."\$ "Oo.sub.3") or
("Sr.sub.0."\$ "Ce.
sub.0."\$ "Oo.sub.3") or
("Sr.sub.0."\$ "Co.
sub.0."\$ "Oo.sub.3") or
("B.sub.0."\$ "Sr.
sub.0."\$ "Oo.sub.3") or
("B.sub.0."\$ "Ce.
sub.0."\$ "Oo.sub.3") or
("B.sub.0."\$ "Co.
sub.0."\$ "Oo.sub.3"))
not (S110 or S105)

| | | | | | | |
|------|----|---|--------------------|-----|----|---------------------|
| S115 | 37 | (("A.sub.0."\$"B. sub.0."\$"CO.sub.3") or ("La.sub.0."\$"Sr. sub.0."\$"CO.sub.3") or ("La.sub.0."\$"Ce. sub.0."\$"CO.sub.3") or ("La.sub.0."\$"Co. sub.0."\$"CO.sub.3") or ("Gd.sub.0."\$"Sr. sub.0."\$"CO.sub.3") or ("Sm.sub.0."\$"Sr. sub.0."\$"CO.sub.3") or ("Nd.sub.0."\$"Sr. sub.0."\$"CO.sub.3") or ("Br.sub.0."\$"Sr. sub.0."\$"CO.sub.3") or ("Tb.sub.0."\$"Sr. sub.0."\$"CO.sub.3") or ("Sr.sub.0."\$"Sr. sub.0."\$"CO.sub.3") or ("B.sub.0."\$"Sr. sub.0."\$"CO.sub.3") or ("Gd.sub.0."\$"Sr. sub.0."\$"CO.sub.3") or ("Gd.sub.0."\$"Ce. sub.0."\$"CO.sub.3") or ("Gd.sub.0."\$"Co. sub.0."\$"CO.sub.3") or ("Sm.sub.0."\$"Sr. sub.0."\$"CO.sub.3") or ("Sm.sub.0."\$"Ce. sub.0."\$"CO.sub.3") or ("Sm.sub.0."\$"Co. sub.0."\$"CO.sub.3") or ("Nd.sub.0."\$"Sr. sub.0."\$"CO.sub.3") or ("Nd.sub.0."\$"Ce. sub.0."\$"CO.sub.3") or ("Nd.sub.0."\$"Co. sub.0."\$"CO.sub.3") or ("Br.sub.0."\$"Sr. sub.0."\$"CO.sub.3") or ("Br.sub.0."\$"Ce. sub.0."\$"CO.sub.3") or ("Br.sub.0."\$"Co. sub.0."\$"CO.sub.3") or ("Tb.sub.0."\$"Sr. sub.0."\$"CO.sub.3") or ("Tb.sub.0."\$"Ce. sub.0."\$"CO.sub.3") or ("Tb.sub.0."\$"Co. sub.0."\$"CO.sub.3") or ("Sr.sub.0."\$"Sr. sub.0."\$"CO.sub.3") or ("Sr.sub.0."\$"Ce. | US-PGPUB; USPAT | ADJ | ON | 2010/12/16 23:44 |
|------|----|---|--------------------|-----|----|---------------------|

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|------|----|---|--------------------|-----|----|---------------------|
| | | sub.0."\$"CO.sub.3") or ("Sr.sub.0."\$"Co. sub.0."\$"CO.sub.3") or ("B.sub.0."\$"Sr. sub.0."\$"CO.sub.3") or ("B.sub.0."\$"Ce. sub.0."\$"CO.sub.3") or ("B.sub.0."\$"Co. sub.0."\$"CO.sub.3")) | | | | |
| S116 | 12 | ((("X.sub.0."\$"Y. sub."\$"CO.sub.3") or ("La.sub.0."\$"Sr. sub.0."\$"CO.sub.3") or ("La.sub.0."\$"Ce. sub.0."\$"CO.sub.3") or ("La.sub.0."\$"Co. sub.0."\$"CO.sub.3") or ("Gd.sub.0."\$"Sr. sub.0."\$"CO.sub.3") or ("Sm.sub.0."\$"Sr. sub.0."\$"CO.sub.3") or ("Nd.sub.0."\$"Sr. sub.0."\$"CO.sub.3") or ("Br.sub.0."\$"Sr. sub.0."\$"CO.sub.3") or ("Tb.sub.0."\$"Sr. sub.0."\$"CO.sub.3") or ("Sr.sub.0."\$"Sr. sub.0."\$"CO.sub.3") or ("B.sub.0."\$"Sr. sub.0."\$"CO.sub.3") or ("Gd.sub.0."\$"Sr. sub.0."\$"CO.sub.3") or ("Gd.sub.0."\$"Ce. sub.0."\$"CO.sub.3") or ("Gd.sub.0."\$"Co. sub.0."\$"CO.sub.3") or ("Sm.sub.0."\$"Sr. sub.0."\$"CO.sub.3") or ("Sm.sub.0."\$"Ce. sub.0."\$"CO.sub.3") or ("Sm.sub.0."\$"Co. sub.0."\$"CO.sub.3") or ("Nd.sub.0."\$"Sr. sub.0."\$"CO.sub.3") or ("Nd.sub.0."\$"Co. sub.0."\$"CO.sub.3") or ("Br.sub.0."\$"Sr. sub.0."\$"CO.sub.3") or ("Br.sub.0."\$"Ce. sub.0."\$"CO.sub.3") or ("Br.sub.0."\$"Co. sub.0."\$"CO.sub.3") or | US-PGPUB; USPAT | ADJ | ON | 2010/12/16 23:46 |

| | | | | | | |
|------|----|--|--------------------|-----|----|---------------------|
| | | (("Tb.sub.0."\$Sr.sub.0."\$CO.sub.3") or ("Tb.sub.0."\$Ce.sub.0."\$CO.sub.3") or ("Tb.sub.0."\$Co.sub.0."\$CO.sub.3") or ("Sr.sub.0."\$Sr.sub.0."\$CO.sub.3") or ("Sr.sub.0."\$Ce.sub.0."\$CO.sub.3") or ("Sr.sub.0."\$Co.sub.0."\$CO.sub.3") or ("B.sub.0."\$Sr.sub.0."\$CO.sub.3") or ("B.sub.0."\$Ce.sub.0."\$CO.sub.3") or ("B.sub.0."\$Co.sub.0."\$CO.sub.3")) | | | | |
| S117 | 12 | ((("X.sub."\$Y.sub."\$CO.sub.3") or ("La.sub.0."\$Sr.sub.0."\$CO.sub.3") or ("La.sub.0."\$Ce.sub.0."\$CO.sub.3") or ("La.sub.0."\$Co.sub.0."\$CO.sub.3") or ("Sr.sub.0."\$CO.sub.3") or ("Gd.sub.0."\$Sr.sub.0."\$CO.sub.3") or ("Gd.sub.0."\$Ce.sub.0."\$CO.sub.3") or ("Gd.sub.0."\$Co.sub.0."\$CO.sub.3") or ("Sm.sub.0."\$Sr.sub.0."\$CO.sub.3") or ("Sm.sub.0."\$Ce.sub.0."\$CO.sub.3") or ("Sm.sub.0."\$Co.sub.0."\$CO.sub.3") or ("Nd.sub.0."\$Sr.sub.0."\$CO.sub.3") or ("Nd.sub.0."\$Ce.sub.0."\$CO.sub.3") or ("Nd.sub.0."\$Co.sub.0."\$CO.sub.3") or ("Br.sub.0."\$Sr.sub.0."\$CO.sub.3") or ("Br.sub.0."\$Ce.sub.0."\$CO.sub.3") or ("Br.sub.0."\$Co.sub.0."\$CO.sub.3") or ("Tb.sub.0."\$Sr.sub.0."\$CO.sub.3") or ("Tb.sub.0."\$Ce | US-PGPUB; USPAT | ADJ | ON | 2010/12/16 23:49 |

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sub.0."$ CO.sub.3") or
("Tb.sub.0."$ Co.
sub.0."$ CO.sub.3") or
("Sr.sub.0."$ Sr.
sub.0."$ CO.sub.3") or
("Sr.sub.0."$ Co.
sub.0."$ CO.sub.3") or
("Sr.sub.0."$ Co.
sub.0."$ CO.sub.3") or
("B.sub.0."$ Sr.
sub.0."$ CO.sub.3") or
("B.sub.0."$ Co.
sub.0."$ CO.sub.3") or
("B.sub.0."$ Co.
sub.0."$ CO.sub.3"))

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